



03CO

#4

2/2/01

M. Hughes

NE

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Patrizio Vinciarelli et al.

Art Unit : Unknown

Serial No. : 09/611,290

Examiner : Unknown

Filed : July 6, 2000

Title : PROTECTIVE COATING FOR AN ELECTRONIC DEVICE

Commissioner for Patents  
Washington, D.C. 20231

PRELIMINARY AMENDMENT

Prior to examination, please amend the application as follows:

In the Claims: No claim amendments are presented in this amendment, however, the pending (non-amended) claims are shown below in italics for convenience.

26. *A method comprising:  
forming a protective coating of poly-para-xylylene on an exposed surface of an integrated power device, including forming the protective coating on a conductive termination connected to a semiconductor in the power device; and  
cutting a window in the protective coating using a laser to expose the termination.*
27. *A method comprising:  
forming a protective coating on an exposed surface of an electronic device, including forming the protective coating on a conductive termination connected to a circuit element in the electronic device;  
making a window in the protective coating to expose the termination;  
applying solder to the portion of the conductive termination exposed by the window in the protective coating; and  
encapsulating the electronic device in a potting material.*
28. *A method for use with an electronic device having a conductive termination pad and an electronic component connected to the pad, the method comprising:  
applying a protective coating to surfaces of the termination pad and the electronic component;*

CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, Washington, D.C. 20231.

September 19, 2000  
Date of Deposit

Carol Tyrrell  
Signature

CAROL TYRRELL  
Typed or Printed Name of Person Signing Certificate

*cutting a window in the protective coating to expose the termination pad; and flowing solder into the window to make electrical connection between the solder pad and a circuit.*

29. *A circuit comprising:  
a circuit board;  
an electronic device comprising  
a substrate,  
a conductive termination pad formed on the substrate,  
an electronic component mounted on the substrate and connected to the termination pad,*

*a protective coating on the pad and the electronic component, and  
a window formed in the protective coating to expose the conductive termination pad; and  
solder connecting the termination pad to the circuit board via the window.*

30. *An apparatus comprising:  
an electronic device;  
a protective, conformal coating on the surface of the electronic device containing conductive terminations; and  
a window in the protective coating to expose the conductive terminations.*

In the Drawings:

Please add reference designation "12" to Fig. 4 as shown on the attached marked-up drawing and substitute the enclosed corrected formal drawings of Figs. 1, 2, 3, 4, and 9 for the formal drawings filed on July 6, 2000.

REMARKS

This amendment adds a reference designation 12 to Fig. 4 as required in the parent case and corrects errors made in drafting the formal drawings of Figs. 1, 2, 3, 4, and 9. All of the amendments, except the addition of reference designation 12 in Fig. 4, correct errors in the formal drawings only and are thus being made to conform the formal drawings to the original informal drawings also filed with the application on July 6, 2000. The addition of reference designation 12 to Fig. 4 was required in the parent case by the January 19, 2000 final office action and was made in the June 15, 2000 response thereto. The changes (including a brief description of the changes) are shown in red on the attached marked-up copies. A set of corrected formal drawings, incorporating the above changes, are also enclosed in the event the

Applicant : Patrizio Vinciarelli et al.  
Serial No. : 09/611,290  
Filed : July 6, 2000  
Page : 3

Attorney's Docket No.: 00614-092002

examiner finds the changes acceptable. A second copy of the corrected formal drawings having the changes highlighted in yellow is also enclosed for the examiner's convenience.

Applicants submit that the application is now in condition for examination, which action is requested. The examiner is invited to call the undersigned attorney with any questions or comments regarding this amendment or any other matter that may advance prosecution of this case.

Please apply any other charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date: Sept. 18, 2000



Andrew T. D'Amico  
Reg. No. 33,375

Fish & Richardson P.C.  
45 Rockefeller Plaza, Suite 2800  
New York, NY 10111  
Telephone: (212) 765-5070  
Facsimile: (212) 258-2291